## AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A connection system for connecting ~~at least one~~ a contact ~~(1a, 1b, 1c, 1d, 1e, 1f, 1g)~~ of a ~~at least one~~ flat block of components ~~(2)~~ to an ~~at least one~~ apparatus, the connection system comprising: ~~(3a, 3b, 3c),~~

~~Having~~ a conductive connecting element ~~(4a, 4b, 4c, 4d, 4e, 4f, 4g), connected~~ electrically coupled ~~conductively~~ to the ~~at least one~~ contact ~~(1a, 1b, 1c, 1d, 1e, 1f, 1g)~~ of the flat block of components; ~~(2),~~ and

a clamping device ~~(5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h), connected~~ electrically coupled ~~conductively~~ to the apparatus,

~~in which~~ wherein the clamping device ~~(5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h) is embodied for receiving~~ receives the connecting element ~~(4a, 4b, 4c, 4d, 4e, 4f, 4g) and thus via the connecting element (4a, 4b, 4c, 4d, 4e, 4f, 4g) making an electrically conductive connection between the apparatus (3a, 3b, 3c) and the contact (1a, 1b, 1c, 1d, 1e, 1f, 1g) of the flat block of components (2),~~

~~characterized in that~~ wherein the connecting element ~~(4a, 4b, 4c, 4d, 4e, 4f, 4g) connected connects to the at least one contact (1a, 1b, 1c, 1d, 1e, 1f, 1g) of the flat block of components (2) is embodied as~~ is a rigid conductor, the rigid conductor being a screw fastened conductively to the contact, and

wherein the screw penetrates a bore in the flat block of components and is locked by a nut on a second side of the flat block of components, which is opposite a first side of the flat block of components. ~~and~~

~~that the at least one connecting element (4a, 4b, 4c, 4d, 4e, 4f, 4g) engages the at least one clamping device (5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h) of the at least one apparatus (3a, 3b, 3c) directly and is thus connected directly to the clamping device (5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h).~~

2. (Currently Amended) The connection system as defined by claim 1,

~~characterized in that~~ wherein the flat block of components ~~(2)~~ is a printed circuit board. ~~;~~

~~the rigid conductor forming the connecting element (4g) is a tongue of printed circuit board material; and~~

~~the at least one contact (1g) is a conductor track disposed on the tongue of printed circuit board material.~~

3. (Cancelled)

4. (Currently Amended) The connection system as defined by claim 2~~3~~,

~~characterized in that~~ further comprising an inverter ~~one or more rectifiers for one or more inverters~~ of a magnetic resonance gradient amplifier, the inverter comprising a rectifier, which is ~~are~~ disposed on the printed circuit board ~~(2)~~ and ~~are~~ is ~~connected~~ coupled to ~~one or more associated~~ the apparatus. ~~apparatuses (3a, 3b, 3c) via one or more connecting elements (4a, 4b, 4c, 4d, 4e, 4f, 4g) and one or more clamping devices (5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h).~~

5. (Currently Amended) The connection system as defined by claim 1, ~~one of the foregoing claims,~~

~~characterized in that~~ wherein the connection system connects a plurality of ~~is embodied for connecting many~~ contacts ~~(1a, 1b, 1c, 1d, 1e, 1f, 1g)~~ of the ~~at least one~~ flat block of components ~~(2) to many~~ to a plurality of clamping devices, including the clamping device, ~~(5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h)~~ of the ~~at least one~~ apparatus, ~~(3a, 3b, 3c),~~

and the ~~at least one~~ connecting element is ~~elements (4a, 4b, 4c, 4d, 4e, 4f, 4g) are~~ disposed on the ~~at least one~~ flat block of components ~~(2)~~ in accordance with the disposition of the clamping devices ~~(5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h)~~.

6. (Currently Amended) The connection system as defined by claim 1, ~~one of the foregoing claims,~~

~~characterized in that~~ wherein the ~~at least one~~ clamping device ~~(5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h)~~ is a screw terminal ~~(5a, 5b, 5c, 5g)~~ or a spring clip ~~(5e, 5f, 5g, 5h)~~.

7. (Currently Amended) The connection system as defined by claim 1, ~~one of the foregoing claims,~~

wherein the connection system ~~characterized in that it~~ is suited to conduct ~~for conducting~~ voltages of over 24 volts, ~~preferably over 120 volts, and especially preferably over 240 volts and/or~~ currents of over 0.5 ampere, or the combination thereof. ~~preferably over 1 ampere, and especially preferably over 10 amperes.~~

8. (Currently Amended) A flat block of components ~~(2)~~ comprising: ~~having~~

~~at least one~~ a contact ~~(1a, 1b, 1c, 1d, 1e, 1f, 1g) for connection~~ that is coupled to an ~~at least one~~ apparatus ~~(3a, 3b, 3c)~~, which is ~~has an~~ electrically ~~conductively~~ coupled to a clamping device, and ~~(5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h),~~

~~in which the flat block of components (2) has~~ a conductive connecting element ~~(4a, 4b, 4c, 4d, 4e, 4f, 4g)~~ electrically coupled ~~connected electrically conductively~~ to the ~~at least one~~ contact ~~(1a, 1b, 1c, 1d, 1e, 1f, 1g)~~,

wherein the conductive ~~characterized in that~~ connecting element ~~(4a, 4b, 4c, 4d, 4e, 4f, 4g) connected to the at least one contact (1a, 1b, 1c, 1d, 1e, 1f, 1g) of the flat block of components (2) is embodied as~~ is a rigid conductor, the rigid conductor being a screw fastened electrically to the ~~at least one~~ contact, and

wherein the screw penetrates a bore in the flat block of components and is locked by a nut on a second side of the flat block of components, which is opposite a first side of the flat block of components.

~~that the connecting element (4a, 4b, 4c, 4d, 4e, 4f, 4g) is embodied such that it can directly engage the clamping device (5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h) of the apparatus (3a, 3b, 3c) and thus can be connected directly to the clamping device (5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h).~~

9 – 14. (Cancelled)

15. (Currently Amended) The connection system as defined by claim 1, ~~The apparatus (3a, 3b, 3c) as defined by claim 14~~,

~~characterized in that~~ wherein the ~~at least one~~ clamping device ~~(5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h) of the at least one apparatus~~ is disposed ~~furnished~~ directly on the ~~at least one~~ apparatus ~~(3a, 3b, 3c)~~ or coupled to the apparatus via a ~~one or more~~ separate securing robot ~~robots~~ electrically coupled ~~connected~~ to the apparatus.

16. (Currently Amended) The connection system as defined by claim 8, ~~The apparatus (3a, 3b, 3c) as defined by claim 15,~~

~~characterized in that~~ wherein a plurality of securing robots are disposed in a row on a distributor busbar.

17. (Currently Amended) The connection system as defined by claim 16, ~~The apparatus (3a, 3b, 3c) as defined by one of claims 14 through 16,~~

~~characterized in that it is as~~ wherein the apparatus is a transformer that furnishes ~~for furnishing~~ a potential-free supply voltage for full bridge inverters of a magnetic resonance gradient amplifier.

18. (New) The connection system as defined by claim 1, wherein the connecting element directly engages the clamping device of the apparatus.

19. (New) The connection system as defined by claim 1, wherein the screw has a head which is electrically coupled with the contact on the first side of the flat block of components.

20. (New) The connection system as defined by claim 1, wherein the nut is electrically coupled with the contact on the second side of the flat block of components.

21. (New) The connection system as defined by claim 19, wherein the head of the screw is soldered or welded to the contact.

22. (New) The connection system as defined by 1, wherein the nut is soldered or welded to the contact.

23. (New) The flat block of components as defined by claim 8, wherein the connecting element is directly coupled to the clamping device of the apparatus.

24. (New) The flat block of components as defined by claim 8, wherein the flat block of components is a printed circuit board.

25. (New) The flat block of components as defined by claim 24, further comprising an inverter of a magnetic resonance gradient amplifier, the inverter comprising a rectifier which is disposed on the printed circuit board and is connected to the apparatus.

26. (New) The flat block of components as defined by claim 8, wherein the screw has a head that is electrically coupled with the contact on the first side of the flat block of components.

27. (New) The flat block of components as defined by claim 8, wherein the nut is electrically coupled with the contact on the second side of the flat block of components.

28. (New) The flat block of components as defined by claim 26, wherein the head of the screw is soldered or welded to the contact.

29. (New) The flat block of components as defined claim 27, wherein the nut is soldered or welded to the contact.